



DT02 Rec'd PCT/PTO 06 JAN 2005

Atty. Dkt. No. 049411-0238

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Michael L. ROUKES et al.

Title: AN APPARATUS AND METHOD FOR  
VACUUM-BASED NANOMECHANICAL  
ENERGY, FORCE AND MASS SENSORS

Appl. No.: 10/502,461

Filing Date: 7/23/2004

Examiner: Unassigned

Art Unit: Unassigned

**TRANSMITTAL OF MISSING PARTS  
OF PATENT APPLICATION**

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice to File Missing Parts of Application mailed October 6, 2004, in the above-identified application, transmitted herewith are the missing parts to complete the filing of the subject patent application.

Enclosed are:

☒ Declaration and Power of Attorney (25 pages)

Any attached specification is a copy of the specification and any amendments thereto which were filed in the U.S. Patent and Trademark Office in order to obtain a filing date for the application.

☒ Return Copy of Notice to File Missing Parts

☐ Translation

☐ Drawings

- ☐ Preliminary Amendment
- ☐ Claim for Convention Priority and certified copy of priority documents
- ☒ Information Disclosure Statement
- ☒ Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

- ☒ Extension for response filed within the first month
- ☐ Extension for response filed within the second month
- ☐ Extension for response filed within the third month
- ☐ Extension for response filed within the fourth month
- ☐ Extension for response filed within the fifth month

☐ Other: Assignment

The filing fee is calculated below:

	Claims as Filed	Included in Basic Fee	Extra Claims	Rate	Fee Totals
Basic Filing Fee				\$790.00	\$0.00
					0
Total Claims:	83	- 20	= 0	x \$50.00	= \$0.00
Independ ents:	19	- 3	= 0	x \$200.00	= \$0.00
If any Multiple Dependent Claim(s) present:			+	\$360.00	= \$0.00
Surcharge under 37 CFR 1.16(e) for late filing of Executed Declaration and late payment of filing fee			+	\$130.00	= \$130.00
<input checked="" type="checkbox"/> Extension fee for response filed within the first month:			+	\$120.00	= \$120.00
				SUBTOTAL:	= \$250.00
<input checked="" type="checkbox"/> Small Entity Fees Apply (subtract ½ of above):					= \$125.00
				TOTAL FILING FEE:	= \$125.00
Processing Fee under 37 CFR 1.17(i) for Late Filing of English Translation of Application:			+	\$130.00	= \$0.00
				TOTAL FEE	= \$125.00
Difference to pay:			-	\$0.00	- \$125.00

01/10/2005 GFREY1 00000133 10502461

01 FC:2617  
02 FC:2251

65.00 OP  
60.00 OP

[ X ] Check in the amount of \$125.00 in payment of  
surcharge fee (37 C.F.R. § 1.16(e))

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date January 6, 2005

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By  No 43445

By Stephen B. Maebius  
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JAN 06 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.

10/502,461 ✓

FIRST NAMED APPLICANT

Michael L Roukes et al

ATTY. DOCKET NO.

CIT.PAU.34 US

INTERNATIONAL APPLICATION NO.

PCT/US03/14566

I.A. FILING DATE

05/07/2003

PRIORITY DATE

05/07/2002

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CONFIRMATION NO. 3993

371 FORMALITIES LETTER



\*OC000000014010766\*

Date Mailed: 10/06/2004

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- o Indication of Small Entity Status
- o Copy of the International Application filed on 07/23/2004
- o Copy of the International Search Report filed on 07/23/2004
- o U.S. Basic National Fees filed on 07/23/2004

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- o Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PAULETTE R KIDWELL

Telephone: (703) 305-3656

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/502,461	PCT/US03/14566	CIT.PAU.34 US

FORM PCT/DO/EO/905 (371 Formalities Notice)